

UTILITY PATENT APPLICATION TRANSMITTAL	Attorney Docket No.:	IS01220AP
	First Inventor:	Liu, Louis Y. et al.
	Title:	MISFIRE DETECTION IN AN INTERNAL COMBUSTION ENGINE
	Express Mail Label No.:	EU940604582US

(Only for new nonprovisional applications under 37 CFR 1.53(b))



APPLICATION ELEMENTS (see MPEP chapter 600 concerning utility patent application contents)	ADDRESS TO: Mail Stop Patent Application Commissioner for Patents P.O.Box 1450 Alexandria, VA 22313-1450
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1. <input checked="" type="checkbox"/> Fee Transmittal Form in duplicate (Submit an original and a duplicate for fee processing) 2. <input type="checkbox"/> Applicant claims small entity status See 37 CFR 1.27 3. <input checked="" type="checkbox"/> Specification Total Pages <input type="text" value="24"/> (preferred arrangement set forth below) -Descriptive title of the invention -Cross Reference to Related Applications -Statement Regarding Fed sponsored R&D -Reference to sequence listing, a table, -Background of the Invention -Brief Summary of the Invention -Brief Description of the Drawings (if filed) -Detailed Description -Claim(s) -Abstract of the Disclosure 4. <input checked="" type="checkbox"/> Drawing(s) Total Sheets <input type="text" value="5"/> 5. Oath or Declaration a. <input checked="" type="checkbox"/> Newly executed (original or copy) b. <input type="checkbox"/> Copy from a prior application (37 CFR 1.63(d)) (for continuation/ divisional with Box 18 completed) i. <input type="checkbox"/> DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b). 6. <input type="checkbox"/> Application Data Sheet under 37 CFR 1.76	7. <input type="checkbox"/> CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix) 8. <input type="checkbox"/> Nucleotide and/or Amino Acid Sequence (if applicable, all necessary) a. <input type="checkbox"/> Computer Readable Form (CFR) b. <input type="checkbox"/> Specification Sequence Listing on: i. <input type="checkbox"/> CD-ROM or CD-4 (2 copies); ii. <input type="checkbox"/> or paper c. <input type="checkbox"/> Statements verifying identify of above copies ACCOMPANYING APPLICATION PARTS 9. <input type="checkbox"/> Assignment Papers (cover sheet & document(s)) 10. <input type="checkbox"/> 37 CFR 3.73(b) <input type="checkbox"/> Power of Attorney Statement (when there is an assignee) 11. <input type="checkbox"/> English Translation Document (if applicable) 12. <input checked="" type="checkbox"/> IDS <input type="checkbox"/> Copies of IDS Citations 13. <input type="checkbox"/> Preliminary Amendment 14. <input checked="" type="checkbox"/> Return Receipt Postcard (MPEP 503) 15. <input type="checkbox"/> Certified Copy of Priority Document 16. <input type="checkbox"/> Nonpublication Request under 35 U.S.C. 122(b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent. 17. <input type="checkbox"/> Other: _____ _____ _____ _____
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18. IF A CONTINUING APPLICATION, check appropriate box and supply the requisite information below and in a preliminary amendment:

<input type="checkbox"/> Continuation	<input type="checkbox"/> Divisional	<input type="checkbox"/> Continuation-in- Part (CIP)	Prior Appl. No. <input type="text"/>
Prior Appl. information:		Examiner: <input type="text"/>	Group/Art Unit: <input type="text"/>

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

19. CORRESPONDENCE ADDRESS					
<input checked="" type="checkbox"/> Customer Number or Bar Code Label		 22917		<input type="checkbox"/> Correspondence address below	
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City	Schaumburg	State	IL	Zip Code	60196
Country	U.S.A.	Telephone	847-576-3992	Fax	847-576-3750
Name	Brian M. Mancini	Registration No.	39,288		
SIGNATURE 		Date	August 8, 2003		

IS01220AP

17958 U.S. PTO
10/63/121
08/08/03

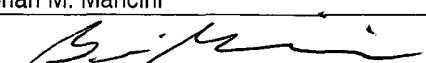
FEE TRANSMITTAL Patent fees are subject to annual revision		Complete if Known	
		Application Number	
		Filing Date	August 8, 2003
		First Named Inventor	Liu, Louis Y. et al.
		Examiner Name	
TOTAL AMOUNT OF PAYMENT		(\$)	786.00
		Attorney Docket No.	IS01220AP

METHOD OF PAYMENT 1. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge indicated fees and credit any overpayment to: Deposit Account Number 50-2117 Deposit Account Name Motorola, Inc. <input checked="" type="checkbox"/> Charge Any Additional Fee required under 37 CFR 1.16 and 1.17 <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27	3. ADDITIONAL FEES <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2">Large Entity</th> <th colspan="2">Small Entity</th> <th rowspan="2">Fee Description</th> </tr> <tr> <th>Fee Code</th> <th>Fee (\$)</th> <th>Fee Code</th> <th>Fee (\$)</th> </tr> </thead> <tbody> <tr><td>1051</td><td>130</td><td>2051</td><td>65</td><td>Surcharge - late filing fee or oath</td></tr> <tr><td>1052</td><td>50</td><td>2052</td><td>25</td><td>Surcharge - late Provisional filing</td></tr> <tr><td>1053</td><td>130</td><td>1053</td><td>130</td><td>Non-English specification</td></tr> <tr><td>1812</td><td>2520</td><td>1812</td><td>2520</td><td>For filing a request for ex parte Reexamination</td></tr> <tr><td>1804</td><td>920*</td><td>1804</td><td>920*</td><td>Requesting publication of SIR prior to Examiner action</td></tr> <tr><td>1805</td><td>1840*</td><td>1805</td><td>1840*</td><td>Requesting publication of SIR after Examiner action</td></tr> <tr><td>1251</td><td>110</td><td>2251</td><td>55</td><td>Extension for reply within first month</td></tr> <tr><td>1252</td><td>410</td><td>2252</td><td>205</td><td>Extension for reply within second month</td></tr> <tr><td>1253</td><td>930</td><td>2253</td><td>465</td><td>Extension for reply within third month</td></tr> <tr><td>1254</td><td>1450</td><td>2254</td><td>725</td><td>Extension for reply within fourth month</td></tr> <tr><td>1255</td><td>1970</td><td>2255</td><td>985</td><td>Extension for reply within fifth month</td></tr> <tr><td>1401</td><td>320</td><td>2401</td><td>160</td><td>Notice of Appeal</td></tr> <tr><td>1402</td><td>320</td><td>2402</td><td>160</td><td>Filing a brief in support of an appeal</td></tr> <tr><td>1403</td><td>280</td><td>2403</td><td>140</td><td>Request for oral hearing</td></tr> <tr><td>1451</td><td>1510</td><td>1451</td><td>1510</td><td>Petition to institute a public use proceeding</td></tr> <tr><td>1452</td><td>110</td><td>2452</td><td>55</td><td>Petition to revive - unavoidable</td></tr> <tr><td>1453</td><td>1300</td><td>2453</td><td>650</td><td>Petition to revive - unintentional</td></tr> <tr><td>1501</td><td>1300</td><td>2501</td><td>650</td><td>Utility issue fee (or reissue)</td></tr> <tr><td>1502</td><td>470</td><td>2502</td><td>235</td><td>Design issue fee</td></tr> <tr><td>1503</td><td>630</td><td>2503</td><td>315</td><td>Plant issue fee</td></tr> <tr><td>1460</td><td>130</td><td>1460</td><td>130</td><td>Petitions to the Commissioner</td></tr> <tr><td>1807</td><td>50</td><td>1807</td><td>50</td><td>Processing fee under 37 CFR 1.17(q)</td></tr> <tr><td>1806</td><td>180</td><td>1806</td><td>180</td><td>Submission of IDS</td></tr> <tr><td>8021</td><td>40</td><td>8021</td><td>40</td><td>Recording each patent assignment per property (times number of properties)</td></tr> <tr><td>1809</td><td>750</td><td>2809</td><td>375</td><td>Filing a submission after final rejection (37 CFR § 1.129(a))</td></tr> <tr><td>1810</td><td>750</td><td>2810</td><td>375</td><td>For each additional invention to be examined (37 CFR § 1.129(b))</td></tr> <tr><td>1801</td><td>750</td><td>2801</td><td>375</td><td>Request for Continued Examination (RCE)</td></tr> <tr><td>1802</td><td>900</td><td>1802</td><td>900</td><td>Request for expedited examination of a design application</td></tr> <tr><td colspan="5">Other fee (specify) _____</td></tr> </tbody> </table>	Large Entity		Small Entity		Fee Description	Fee Code	Fee (\$)	Fee Code	Fee (\$)	1051	130	2051	65	Surcharge - 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2. <input type="checkbox"/> Payment Enclosed: <input type="checkbox"/> Check <input type="checkbox"/> Credit Card <input type="checkbox"/> Money Order <input type="checkbox"/> Other	
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FEE CALCULATION					
1. BASIC FILING FEE					
Large Fee Code	Entity Fee (\$)	Small Fee Code	Entity Fee (\$)	Fee Description	Fee Paid
1001	750	2001	375	Utility filing fee	750
1002	330	2002	165	Design filing fee	
1003	520	2003	260	Plant filing fee	
1004	750	2004	375	Reissue filing fee	
1005	160	2005	80	Provisional filing fee	
SUBTOTAL (1)					(\$) 750.00

2. EXTRA CLAIM FEES																																																													
<table style="width: 100%;"> <tr> <td>Total Claims</td> <td>22</td> <td>-</td> <td>Previously Paid**</td> <td>20</td> <td>=</td> <td>Extra Claims</td> <td>2</td> <td>X</td> <td>Fee from below</td> <td>18</td> <td>=</td> <td>Fee Paid</td> <td>36</td> </tr> <tr> <td>Independent Claims</td> <td>3</td> <td>-</td> <td></td> <td>3</td> <td>=</td> <td></td> <td>0</td> <td>X</td> <td></td> <td>84</td> <td>=</td> <td></td> <td>0</td> </tr> <tr> <td>Multiple Dependent</td> <td colspan="12"></td> </tr> <tr> <td colspan="12"></td> <td>280</td> <td>=</td> <td></td> </tr> </table>						Total Claims	22	-	Previously Paid**	20	=	Extra Claims	2	X	Fee from below	18	=	Fee Paid	36	Independent Claims	3	-		3	=		0	X		84	=		0	Multiple Dependent																									280	=	
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1201	84	2201	42	Independent claims in excess of 3																																																									
1203	280	2203	140	Multiple dependent claim, if not paid																																																									
1204	84	2204	42	* Reissue independent claims over original patent																																																									
1205	18	2205	9	* Reissue claims in excess of 20 and over original Patent																																																									
SUBTOTAL (2)					(\$) 36.00																																																								
**OR NUMBER PREVIOUSLY PAID, IF GREATER THAN STANDARD ALLOWANCE. *For Reissues, see above																																																													

SUBMITTED BY				Complete (if applicable)			
Name (Print/Type)	Brian M. Mancini			Registration No.	39,288	Telephone	847-576-3992
Signature				Date	August 8, 2003		

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